

Request For Reconsideration under 37 C.F.R. §1.111
Serial No. **09/809,106**
Attorney Docket No. **010283**

REMARKS

Claims 1 – 9 are pending in the application. Reconsideration in view of the following remarks is respectfully requested. It is respectfully submitted that this Request For Reconsideration is fully responsive to the Office Action dated April 6, 2004.

As To The Merits:

As to the merits of this case, the Examiner sets for the following rejections:

- 1) claims 1, 4, 5 and 8 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Georgiou et al. (U.S. Patent No. 5,940,785) in view of Kenny et al. (U.S. Patent No. 5,287,292); and
- 2) claims 2, 3, 6, 7 and 9 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Georgiou et al. and Kenny et al. in view Applicant Admitted Prior Art (AAPA).

Each of these rejections is respectfully traversed.

The present claimed invention calls for *access monitoring means for monitoring information on access to a predetermined single one or a number of said components, and for detecting peak-power generating condition and peak-power terminating condition for the components.*

For example, as shown in Fig. 4 of the present application, the HDD access monitoring portion 24 monitors the command of data read/write or the status of read/write completion with respect to the magnetic disk device 22 and detects the peak power generation condition, the peak power completion condition or the like. In other words, the HDD access monitoring portion 24 monitors an IO packet to the device driver of the magnetic disk device 22 from the OS and driver 26, identifies a spin down request IO packet, a read/write request IO packet, a completion IO packet and the like, and judges that the read/write request IO packet issued after the issue of the spin down request IO packet is the peak power generation condition.

However, the applied references of Kenny and Georgiou are not concerned with access monitoring for monitoring information on access to a single or a plurality of components.

Instead, according to Georgiou, “[u]sing thermal sensors for feedback, the voltage swing and operating frequency of the circuit are cooperatively varied (also called voltage-frequency pairs) to reduce the power dissipation without compromising reliability or system synchronization. Reducing the voltage swing at the outputs of the circuit advantageously reduces power dissipation by a factor of the voltage squared. The circuit's clock frequency is correspondingly varied with the voltage to maintain critical timing paths within specifications.”¹

¹ Please see, lines 18 – 28, column 2 of Georgiou.

That is, Georgiou fails to monitor information on access to a single or a plurality of components and instead controls the power mode based on feedback provided from thermal sensors.

In addition, according to Kenny, “the temperature of an integrated circuit is indirectly measured by monitoring the activity of the integrated circuit as a function of time and generating a figure of merit (called a temperature count) which is a measure of the temperature of the circuit.”²

However, monitoring the activity of the integrated circuit as disclosed by Kenny is clearly different from monitoring information on access to a single or a plurality of components, as called for in the present claimed invention.

Moreover, since the applied references of Kenny and Georgiou are not concerned with access monitoring for monitoring information on access to a single or a plurality of components, it follows that these references also fail to disclose additional features of the claimed invention concerning *power-mode changing means for switching mode of power, to the predetermined single one or number of said components, from a normal-power mode to a power-saving mode according to detected information from said access monitoring means on said peak-power*

² Please see, line 65, column 1 – line 2 column 2 of Kenny.

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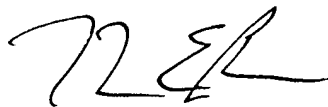
generating condition, and for switching the power mode from said power-saving mode to said normal-power mode according to detected information from said access monitoring means on said peak-power terminating condition.

For at least the foregoing reasons, it is believed that this application is now in condition for allowance. If, for any reason, it is believed that this application is not in condition for allowance, Examiner is encouraged to contact the Applicants' undersigned attorney at the telephone number below to expedite the disposition of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP



Thomas E. Brown
Attorney for Applicants
Registration No. 44,450

1250 Connecticut Avenue, N.W.
Suite 700
Washington, DC 20036
Telephone: (202) 822-1100
Facsimile: (202) 822-1111
TEB/jnj